

Page 28



RECEIVED

FEB 12 2001

TECH CENTER 1600/2900

Please replace the paragraph on page 28, line 26, beginning "The phosphorylated digoxigenin-labeled" and ending "TGG -3'", with the following paragraph:

*91*  
--The phosphorylated digoxigenin-labeled primer used was:

182. 1G7 .D 5' (p) AGAAGAGATAGATATGGTGG - 3' (SEQ ID NO:11)--

Page 30

Please replace page 30 (Table 1A) with the following page:



Page 33

Please replace page 33 (Table 1D) with the following page:

**RECEIVED**

FEB 12 2001

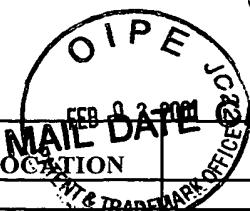
TECH CENTER 1600/2900

FEB 01 2001

RECEIVED

FEB 12 2001

Table 1: Polymorphic Sites in the HH Region


 PATENT & TRADEMARK OFFICE  
U.S. DEPARTMENT OF COMMERCE

JC 2 CANCELLED

BASE LOCATION	DIFFERENCE	BASE LOCATION	TECH CENTER 1600/2900 DIFFERENCE
35-36	CA DEL	20463	C-A
841	T-C	20841	A-T
2662-2663	TT DEL	21059	A-T
3767	T-C	21117	A-G
3829	C-G	21837	A-C
4925-4928	TAAA DEL	22293	A-C
5691	C-T	22786	C-A
5839	T-C	23009	G-A
6011	G-A	24143	T-A
6047	C-G	26175	G-C
6231	G-A	26667	C-A
6643	ADEL	26994	T-C
6698	T-C	27838	G-T
7186	T-C	27861	T DEL
7273	G-A	28132	G-A
7545-7558	TCACACACCGATTGG DEL (SEQ ID NO:17)	29100	G-A
7672	G DEL	29454-29457	TTTT DEL
7933	T-C	29787	T-G
8746	T-G	29825	A-C
9115	G-A	30009	T-C
9823	G-A	30177	A-G
10027	G-A	30400	A-G
10214	C-T	31059	T-A
10828	A-G	31280	C-T
10918	C-G	31749	C-T
10955	A-G	32040	C-G
11524	C-A	32534-32537	GTGT DEL
11674	A-G	33017	T-G
11955	T-C	33026	T DEL
12173-12175	TTT DEL	34434	C-T
13304	G-A	35179	A-C
13455	G-A	35695	G-A
14416-14417	A INS	35702	G-A
14998	C-T	35983	A-G
15564	T-C	37411	A-G
15887	A-G	38526	C-T
15904-1 5919	CCAAACTGATCTTG DEL (SEQ ID NO:18)	40431	C-A
16019	T DEL	42054-42055	TT DEL
16211	A-T	43783-43784	TTTT INS
17461	A-G	45120	C DEL
19755	G-A	45567	A-C
19949	C-T	46601	A-T
20085	C-T	47255	C-G
20366-20367	A INS		

Table Polymorphic Sites in the HH Region

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
35-36	AC DEL	20463	C-A
841	T-C	20841	A-T
2662-2663	TT DEL	21059	A-T
3767	T-C	21117	A-G
3829	C-G	21837	A-C
4925-4928	TAAA DEL	22293	A-C
5691	C-T	22786	C-A
5839	T-C	23009	G-A
6011	G-A	24143	T-A
6047	C-G	26175	G-C
6231	G-A	26667	C-A
6643	A DEL	26994	T-C
6698	T-C	27838	G-T
7186	T-C	27861	T DEL
7273	G-A	28132	G-A
7545-7558	TCACACACCGATTGG DEL	29100	G-A
7672	G DEL	29454-29457	TTTT DEL
7933	T-C	29787	T-G
8746	T-G	29825	A-C
9115	G-A	30009	T-C
9823	G-A	30177	A-G
10027	G-A	30400	A-G
10214	C-T	31059	T-A
10828	A-G	31280	C-T
10918	C-G	31749	C-T
10955	A-G	32040	C-G
11524	C-A	32556-32559	TGTG DEL
11674	A-G	33017	T-G
11955	T-C	33026	T DEL
12173-12175	TTT DEL	34434	C-T
13304	G-A	35179	A-C
13455	G-A	35695	G-A
14416-14417	A INS	35702	G-A
14998	C-T	35983	A-G
15564	T-C	37411	A-G
15887	A-G	38526	C-T
15904-15919	CCAAACTGATCTTG DEL	40431	C-A
16019	T DEL	42054-42055	TT DEL
16211	A-T	43783-43784	TTTT INS
17461	A-G	45120	C DEL
19755	G-A	45567	A-C
19949	C-T	46601	A-T
20085	C-T	47255	C-G
20366-20367	A INS		

FEB 01 2001

RECEIVED

FEB 12 2001

## Table H-2 Polymorphic Sites in the HH Region.

BASE LOCATION FEB 02 2001	DIFFERENCE JC2	BASE LOCATION	DIFFERENCE TECHNICAL FEB 12 2001
176524	A-A	193499	C-T
176684	G-A	193738	C-G
176815	T-C	193984-193985	ACACACAC INS
177049	T-C	194064	C-G
177065	G-T	194504	A DEL
178285	T-C	194734	G-A
178551-178552	CTTTTTTTTTTTT INS (SEQ ID NO: 23)	194890	A-C
179114-179115	A INS	195404	G-A
179260	C-G	195693	A-T
179281	C-G	196205	G-A
180023	G-C	197424	C-T
180430	T-C	197513	C-T
180773	T-C	197670	G-A
180824	T-C	198055	C-A
181097	C-T	198401	C-T
181183	A-T	198692	A-G
182351	C-T	198780	T DEL
183197	G-A	199030	T-G
183623	A-T	199933	C-T
183653	G-T	200027	G-A
183657	T-G	200439	T-A
183795-183796	A INS	200452	A-G
184060	G-A	200472-200483	AATAATAATAAT DEL (SEQ ID NO: 24)
184993	G-A	200559	A-T
185918	A-G	200745	A-G
186036	T-C	200919	T-A
186506-186507	TAAC INS	201816	C-T
186561-186568	TATTATT DEL	201861-201862	42bp INS
186690	G DEL	202662	T-C
186751	T-A	202880	T-C
187221	A-G	204341	C-T
187260	A-G	204768	A-T
187444-187447	CTCT DEL	205284	T-G
187831-187832	C INS	207400	C-A
188638	G-A	208634	T-C
188642	C-T	208718	T DEL
189246	T-C	208862	A-C
190340	A-C	209419-209420	TT DEL
190354	A-G	209802	G-A
190762	A-G	209944	C-G
191260	G-T	210299	A-G
193018-193019	AGAT INS	211142	G-A
193147	T-G	212072	G-A
193196-193197	C INS	212146	T-C

Table Polymorphic Sites in the HH Region

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
176524	A-T	193499	C-T
176684	G-A	193738	C-G
176815	T-C	193984-193985	ACACACAC INS
177049	T-C	194064	C-G
177065	G-T	194504	A DEL
178285	T-C	194734	G-A
178551-178552	CTTTTTTTTTTTT INS	194890	A/C
179114-179115	A INS	195404	G-A
179260	C-G	195693	A-T
179281	C-G	196205	G-A
180023	G-C	197424	C-T
180430	T-C	197513	C-T
180773	T-C	197670	G-A
180824	T-C	198055	C-A
181097	C-T	198401	C-T
181183	A-T	198692	A-G
182351	C-T	198780	T DEL
183197	G-A	199030	T-G
183623	A-T	199933	C-T
183653	G-T	200027	G-A
183657	T-G	200439	T-A
183795-183796	A INS	200452	A-G
184060	G-A	200472-200483	AATAATAATAAT DEL
184993	G-A	200559	A-T
185918	A-G	200745	A-G
186036	T-C	200919	T-A
186506-186507	TAAC INS	201816	C-T
186561-186568	TATTATT DEL	201861-201862	42bp INS
186690	G DEL	202662	T-C
186751	T-A	202880	T-C
187221	A-G	204341	C-T
187260	A-G	204768	A-T
187444-187447	CTCT DEL	205284	T-G
187831-187832	C INS	207400	C-A
188638	G-A	208634	T-C
188642	C-T	208718	T DEL
189246	T-C	208862	A-C
190340	A-C	209419-209420	TT DEL
190354	A-G	209802	G-A
190762	A-G	209944	C-G
191260	G/T	210299	A-G
193018-193019	AGAT INS	211142	G-A
193147	T-G	212072	G-A
193196-193197	C INS	212146	T-C